

Recovery Plan Action Status

Plan Name: Small Whorled Pogonia

Plan Status: Final Revision 1

Plan Date: 13-Nov-92

Lead Agency: USFWS

Lead Office: New England Ecological Services Field Office

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223-2541)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Small whorled pogonia (Isotria medeoloides)	1	1	Identify ownership of all known populations	Complete	Prior to FY 1995	FY 2006	Conservation Organizations, State agencies, USFWS Regional Office 4 - Atlanta, Region 5, Fish and Wildlife Enhancement	Management: Other	Labor type not yet selected	R3 landowner information known
Small whorled pogonia (Isotria medeoloides)	2	10	Investigate effects of manipulation of light levels on I. medeoloides	Ongoing Current	FY 2000 - FY 2004		State agencies, Private research or academic institutions	Research: Habitat Requirements	Labor type not yet selected	Plus 5000 for 1996 = \$15000 total
Small whorled pogonia (Isotria medeoloides)	2	11	Develop range wide consistency in monitoring strategies	Planned	FY 2000 - FY 2004		Conservation Organizations, State agencies, USFWS Regional Office 5	Research: Population Assessment	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	12	Create displays for use at visitor information centers	Not Started			Federal Agencies, State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Other: Information and Education	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	3	13	Encourage the development of comprehensive State plant protection legislation	Discontinued	Prior to FY 1995		State agencies, Private research or academic institutions	Other: Regulations	Labor type not yet selected	No funding
Small whorled pogonia (Isotria medeoloides)	3	14	Determine researcher/visitor impacts on populations	Obsolete	FY 2008		Conservation Organizations, State agencies	Other: Information and Education	Labor type not yet selected	1995-1996 at 2000/yr = \$4000 total
Small whorled pogonia (Isotria medeoloides)	3	15	Identify herbivore impacts	Ongoing Current	Prior to FY 1995		Conservation Organizations, State agencies	Research: Predation	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	3	16	Investigate reproductive strategies	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	State agencies, Private research or academic institutions	Research: General	Labor type not yet selected	Plus 5000 in 1995 = \$15000 total
Small whorled pogonia (Isotria medeoloides)	3	17	Determine mycorrhizal interaction and function	Ongoing Current	FY 2007		Private research or academic institutions	Research: Other Information	Labor type not yet selected	

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Small whorled pogonia (Isotria medeoloides)	3	18	Investigate genetic variability of populations within the three geographic centers and the outlying sites	Ongoing Current	FY 2000 - FY 2004		Private research or academic institutions	Research: Genetics	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	3	19	Develop educational materials for distribution in schools	Obsolete	FY 2008		Conservation Organizations, State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Other: Information and Education	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	1	2	Identify gaps of protected habitat throughout the species' range	Not Started			Conservation Organizations, State agencies, Region 5, Fish and Wildlife Enhancement	Management: General	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	3	20	Review recovery progress and update plan as necessary	Ongoing Current	Prior to FY 1995		USFWS Regional Office 5	Other: Administration	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	21	Monitor known sites and new sites as they are found	Ongoing Current	Prior to FY 1995		Conservation Organizations, State agencies, USFWS Regional Office 3 - Twin Cities, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Research: Population Assessment	Labor type not yet selected	Plus 5000for 1995-2001
Small whorled pogonia (Isotria medeoloides)	2	22	Determine when a population is to be considered historical	Obsolete			Conservation Organizations, State agencies	Research: Population Assessment	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	23	Assess known habitat characteristics	Unknown			State agencies, USFWS Regional Office 5, Private research or academic institutions	Research: Habitat Requirements	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	24	Determine those parameters most representative of preferred habitat	Unknown			State agencies, USFWS Regional Office 5, Private research or academic institutions	Research: Habitat Requirements	Labor type not yet selected	

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Small whorled pogonia (Isotria medeoloides)	2	25	Develop predictive models for all three centers of geographical distribution	Ongoing Not Current	FY 1995 - FY 1999		State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5, Private research or academic institutions	Research: Other Information	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	26	Survey areas identified by predictive models	Ongoing Current	FY 1995 - FY 1999		Conservation Organizations, State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5, Private research or academic institutions	Research: Population Surveys	Labor type not yet selected	Plus 1995-1996 at 7000/yr = \$10000 total
Small whorled pogonia (Isotria medeoloides)	2	27	Continue detailed demographic studies of selected sites	Discontinued	FY 2000 - FY 2004		Conservation Organizations, State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5, Private research or academic institutions	Research: Demographic Studies	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	28	Determine colonization of unoccupied habitat in order to identify appropriate buffers	Not Started			Conservation Organizations, State agencies, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5, Private research or academic institutions	Research: Other Information	Labor type not yet selected	Plus 1995-1996 at 5000/yr = \$20000 total
Small whorled pogonia (Isotria medeoloides)	2	29	Investigate dormancy	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	Conservation Organizations, State agencies, Private research or academic institutions	Research: General	Labor type not yet selected	Continuation of ongoing studies. \$25000 total
Small whorled pogonia (Isotria medeoloides)	1	3	Determine overall priorities for land protection	Not Started			Conservation Organizations, State agencies, Region 5, Fish and Wildlife Enhancement	Acquisition: Other	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	30	Update brochure on I. medeoloides	Not Started			USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Other: Information and Education	Labor type not yet selected	

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Small whorled pogonia (Isotria medeoloides)	2	31	Provide information to pertinent municipal agencies in areas of I. medeoloides populations	Ongoing Not Current	Prior to FY 1995		USFWS Regional Office 3 - Twin Cities, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Other: Information and Education	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	1	4	Coordinate among governmental agencies and conservation organizations in providing permanent protection	Ongoing Current	Prior to FY 1995		Conservation Organizations, Federal Agencies, State agencies, Region 5, Fish and Wildlife Enhancement, USFWS Regional Office 4 - Fish and Wildlife Enhancement, Private research or academic institutions	Management	Labor type not yet selected	Plus 7000/yr for at least 4 more years = \$49000 total
Small whorled pogonia (Isotria medeoloides)	1	5	Develop and maintain conservation plans for each protected site	Ongoing Current	FY 2009		Conservation Organizations, State agencies, USFWS Regional Office 3 - Twin Cities, USFWS Regional Office 4 - Atlanta, USFWS Regional Office 5	Management: Land Use	Labor type not yet selected	Plus 1995-1997 at 10000/yr = \$30000 total
Small whorled pogonia (Isotria medeoloides)	1	6	Continue statewide surveys	Discontinued	Prior to FY 1995		Conservation Organizations, State agencies	Research: Population Surveys	Labor type not yet selected	Plus 15000/yr for at least 4 more years = \$95000 total
Small whorled pogonia (Isotria medeoloides)	1	7	Determine minimum viability of a colony	Obsolete	Prior to FY 1995		Conservation Organizations, State agencies	Research: Population Assessment	Labor type not yet selected	
Small whorled pogonia (Isotria medeoloides)	2	8	Seek support of private landowners in protecting habitat through voluntary agreements	Ongoing Current	Prior to FY 1995		Conservation Organizations, State agencies, Private research or academic institutions	Acquisition: General	Labor type not yet selected	Plus 2500/yr for at least 4 more years = \$17500 total
Small whorled pogonia (Isotria medeoloides)	2	9	Use existing regulatory mechanisms to protect I. medeoloides habitat	Ongoing Current	Prior to FY 1995		Federal Agencies, State agencies, Region 5, Fish and Wildlife Enhancement, USFWS Region 3, Fish and Wildlife Enhancement, USFWS Regional Office 4 - Fish and Wildlife Enhancement	Other: Regulations	Labor type not yet selected	No funding